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(54) **FLUID EXCHANGE METHODS AND DEVICES**

(71) Applicant: **Becton, Dickinson and Company**,  
Franklin Lakes, NJ (US)

(72) Inventors: **Brian David Warner**, Martinez, CA  
(US); **John Dunne**, Livermore, CA  
(US)

(73) Assignee: **Becton, Dickinson and Company**,  
Franklin Lakes, NJ (US)

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CPC ..... **A61J 1/2089** (2013.01); **A61J 1/2003**  
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See application file for complete search history.

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*Primary Examiner* — Rosanne Kosson

(74) *Attorney, Agent, or Firm* — Bret E. Field; Bozicevic,  
Field & Francis LLP

(57) **ABSTRACT**

Methods and devices for exchanging therapeutic agents, such as cells, from one liquid medium to another liquid medium are provided. Aspects of embodiments of the methods include transferring a therapeutic agent from a first medium, such as a freezing, storage or shipping buffer, into a second medium, such as a sterile physiologically compatible buffer. In certain aspects, the transfer of the therapeutic agent from a first medium to a second medium involves the use of acoustic-focusing, or acoustophoresis. Embodiments of the subject methods may facilitate the transfer of a therapeutic agent from a storage medium to an infusion medium, and in certain embodiments include administering the therapeutic agent contained in the infusion medium to the subject. Also provided by the present disclosure are devices for practicing the subject methods.

**20 Claims, 5 Drawing Sheets**

